(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 28 October 2004 (28.10.2004)

(10) International Publication Number WO 2004/092835 A3

(51) International Patent Classification7: C09D 11/02, G02F 1/1335

G03F 7/00.

(21) International Application Number:

PCT/IB2004/050423

(22) International Filing Date: 13 April 2004 (13.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03101028.3

16 April 2003 (16.04.2003)

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 13 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITION AND METHOD FOR PRINTING A PATTERNED RESIST LAYER

(57) Abstract: The invention relates to a composition for printing a patterned resist layer onto an underlying, preferably etchable layer comprising: a) an acid-functional resin that is soluble in alkaline medium and insoluble in acidic medium, having an acid number of at least 100mg KOH/g; b) a base solvent having a boiling point between 100 and 250°C; and c) a tackifying solvent having a boiling point between 200 and 350°C; provided that the boiling point of the tackifying solvent is higher than the boiling point of the base solvent. The invention further relates to a method for making a patterned layer, a pixel design, and an LCD display.



INTERNATIONAL SEARCH REPORT

International Application No

T/IB2004/050423 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G03F7/00 C09D11/02 G02F1/1335 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) G03F C09D G02F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Y US 2002/046681 A1 (HIROSE MASASHI) 1-11 25 April 2002 (2002-04-25) paragraphs '0035!, '0040!, '0061!, '0062!, '0071!, '0095!; examples 1-24 Υ US 2002/054252 A1 (MATSUYAMA SHIGERU ET 1-11 AL) 9 May 2002 (2002-05-09) paragraphs '0024!, '0081!, '0084!, '0085!; claims 1,3 Y PATENT ABSTRACTS OF JAPAN 1-11 vol. 1999, no. 13, 30 November 1999 (1999-11-30) & JP 11 209669 A (SEIKO EPSON CORP), 3 August 1999 (1999-08-03) abstract Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents:

'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 *IT later document published after the International filing date or priorily date and not in conflict with the application but cled to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
28 October 2004	05/11/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer
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